

injecting the melted material from the second chamber into the mold; and forming in the mold the molded metal part, the molded metal part having a thickness less than 1 mm and wherein the as-molded surface is sufficiently smooth so that the surface may be painted directly without further processing.

Please add the following new claims 6-12:

6. (New) The molded metal part of claim 1, wherein the thickness is in the range of approximately 0.5 mm to approximately 1.0 mm.

7. (New) The molded metal part of claim 1, wherein the molded metal part has dimensions of approximately 21.0 cm by approximately 29.7 cm.

8. (New) A method of making a molded metal part comprising the steps of:
introducing the melted material into a first chamber;
allowing at least a portion of the melted material to pass through said first chamber into a second chamber;
pushing at least a portion of the melted material remaining in the first chamber into said second chamber;
injecting the melted material from the second chamber into the mold; and forming in the mold the molded metal part, wherein the as-molded surface is sufficiently smooth so that the surface may be painted directly without further processing.

9. (New) The method of claim 8, wherein the molded metal part has a thickness less than 1 mm.

10. (New) The method of claim 8, wherein the thickness is in the range of approximately 0.5 mm to approximately 1.0 mm.

11. (New) The method of claim 8, wherein the molded metal part has dimensions of approximately 21.0 cm by approximately 29.7 cm.

12. (New) The method of claim 8, wherein said allowing step comprises creating a suction in the second chamber to draw the portion of the melted material from the first chamber into the second chamber.

